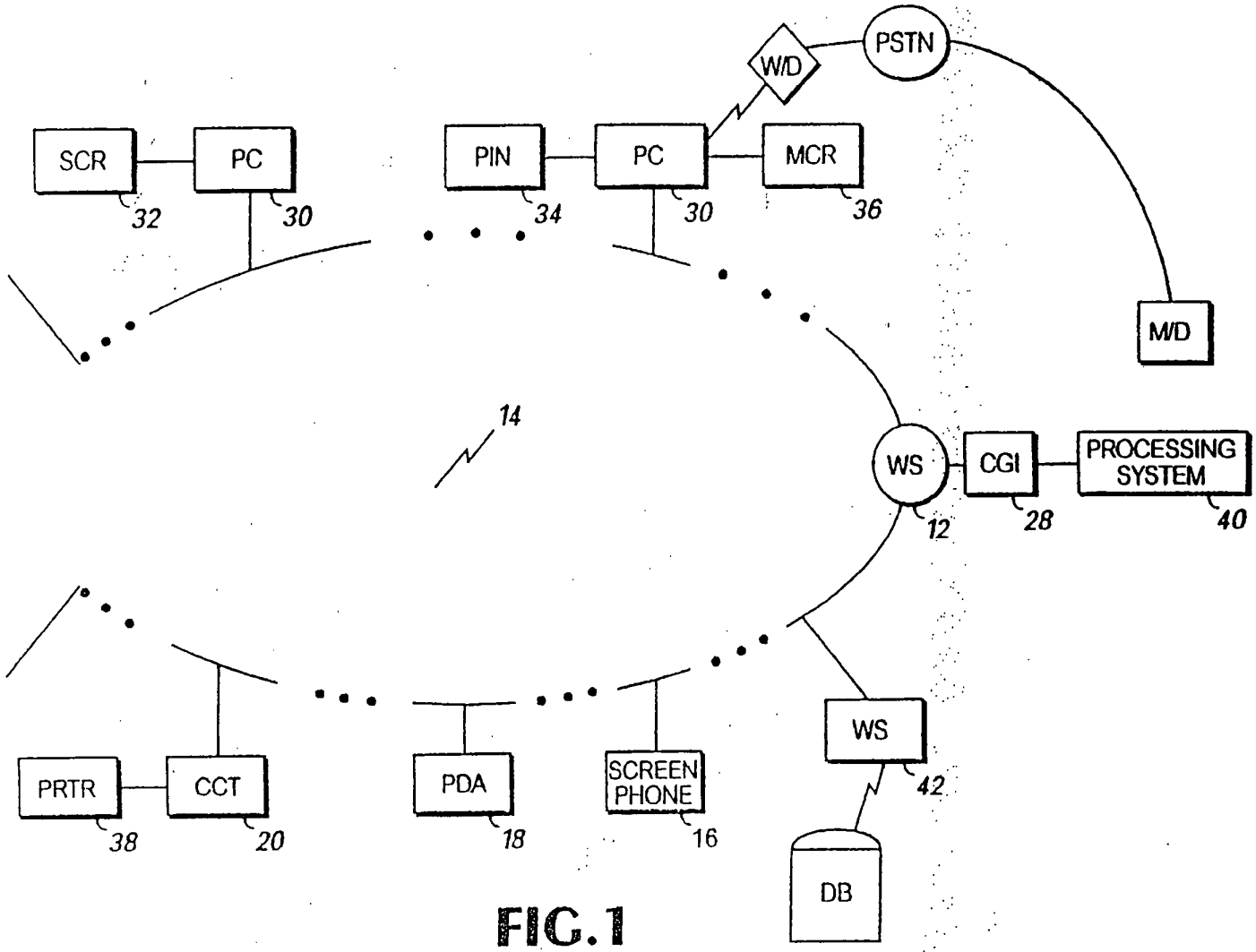
PSTN
W/D
SCR
PC
PIN
PC
MCR
32
30
34
30
36
M/D
14
WS
CGI
PROCESSING SYSTEM
12
28
40
WS
42
PRTR
CCT
PDA
SCREEN PHONE
38
20
18
16
DB

FIG. 1

HTML + D Attributes		Description
<FORM ACTION = "url"		To/From Web Server URL
	FROM "file name"	From Terminal Local File
	TO PRINTER	To Local Printer
	TO "file name"	To Terminal Local File
	FROM SCR	From Smart Card Reader
	TO SCR	To Smart Card Reader
METHOD = "GET"		Retrieve Data
	"POST"	Store Data
	"PAYMENT"	Directive to deliver INPUT data to a private Payment Network for authorization and settlement.
	SQL <database name>	SQL statement database table

Attribute	Value	Description
<INPUT TYPE =	"text"	
	"password"	
	"checkbox"	
	"radio"	
	"submit"	
	"reset"	
NAME =	<field name>	
VALUE =	<initial value>	
CHECKED =		
SIZE =		
MAXLENGTH =		
>		

Attribute	HTML + DValue	Terminal Device
TYPE =	*"MSRT1"*	Mag Stripe Reader - Track 1
	"MSRT2"	Mag Stripe Reader - Track 2
	"KEY"	Terminal Command Keypad
	"PIN"	PIN Pad
	"BCW"	Bar Code Wand
	"MICR"	Check MICR Reader
	"AMT"	Dollar amount key input mask
	"INT"	Integer key input mask
	"LOCAL"	Input from Local Variable
	"AUTOSUBMIT"	Submit FORM to ACTION URL
NAME =	*ip_address*	Local Variable - Terminal's IP Address
	host_phone	Local Variable - Local Internet Access Phone Number
	tid	Local Variable - Terminal ID
	work_key	Local Variable - PIN encryption working key
	datetime	Local Variable - Date and time
	deposit_acct	Local Variable - Merchant Deposit Account

FIG. 2

SQL Statements

The following SQL commands represent a subset of the entire command set that varies by database vendor.

HTML+D Attributes	Description
*SELECT *, field_name,-*	Request field_name (one or many) from a database table
FROM=<table name>,-	Database table name
WHERE=<condition>	Conditional selection of data
name = "constant"	
name LIKE "constant"	
name IN "constant"	
AND	
OR	
ORDER=ASC	Request in ascending order
DESC	...descending
2	...by2's
GROUP=<name>	
INSERT TABLE=<table name>	Insert new data in database table
VALUES="constants"	
UPDATE FROM	
<table name>	Update field_name in database table
SET=field_name="constant"	
[WHERE=<condition>]	Update if WHERE clause is satisfied
DELETE FROM <table name>	Delete all columns that satisfy WHERE clause
[WHERE=<condition>]	
CREATE TABLE<table _name>	Create database table
PRIMARY KEY<name>	

FIG.3

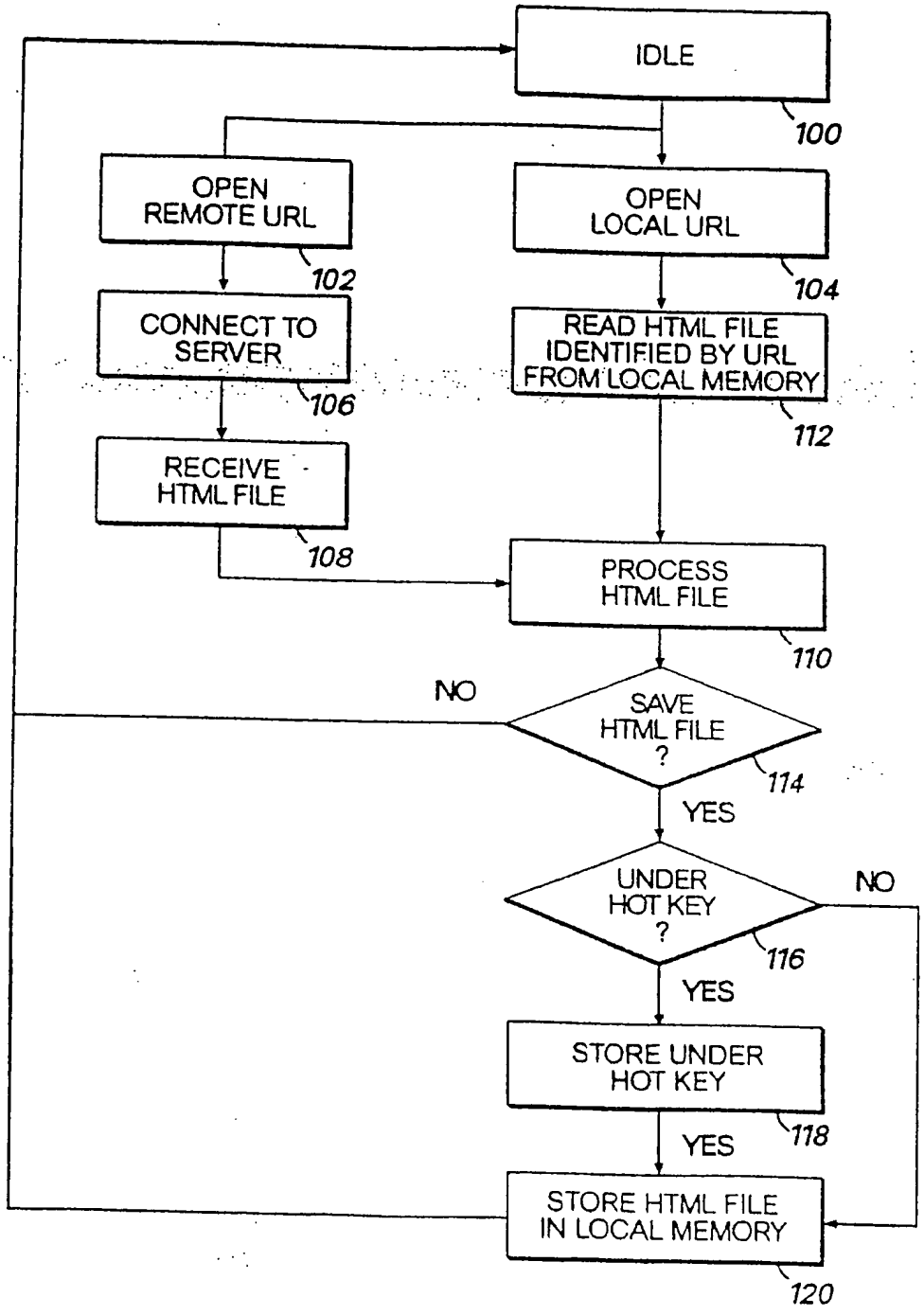
IDLE
100
OPEN REMOTE URL
102
OPEN LOCAL URL
104
CONNECT TO SERVER
106
READ HTML FILE IDENTIFIED BY URL FROM LOCAL MEMORY
112
RECEIVE HTML FILE
108
PROCESS HTML FILE
110
NO
SAVE HTML FILE ?
114
YES
UNDER HOT KEY ?
116
NO
YES
STORE UNDER HOT KEY
118
YES
STORE HTML FILE IN LOCAL MEMORY
120

FIG.4

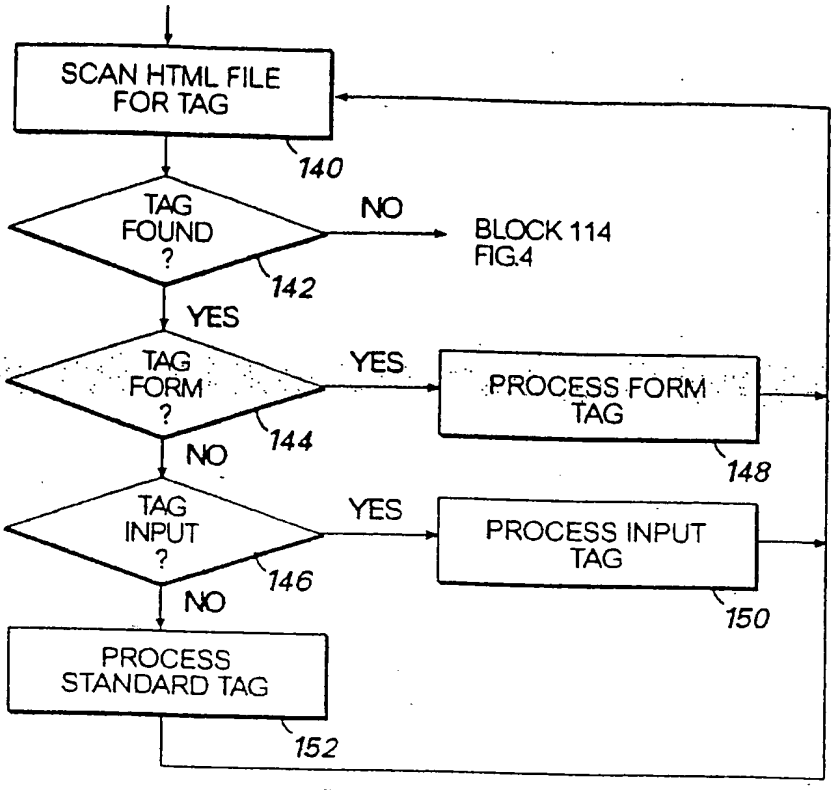
SCAN HTML FILE FOR TAG
140
TAG FOUND ?
142
NO
BLOCK 114 FIG.4
YES
TAG FORM ?
144
YES
PROCESS FORM TAG
148
NO
TAG INPUT ?
146
YES
PROCESS INPUT TAG
150
NO
PROCESS STANDARD TAG
152

FIG.5

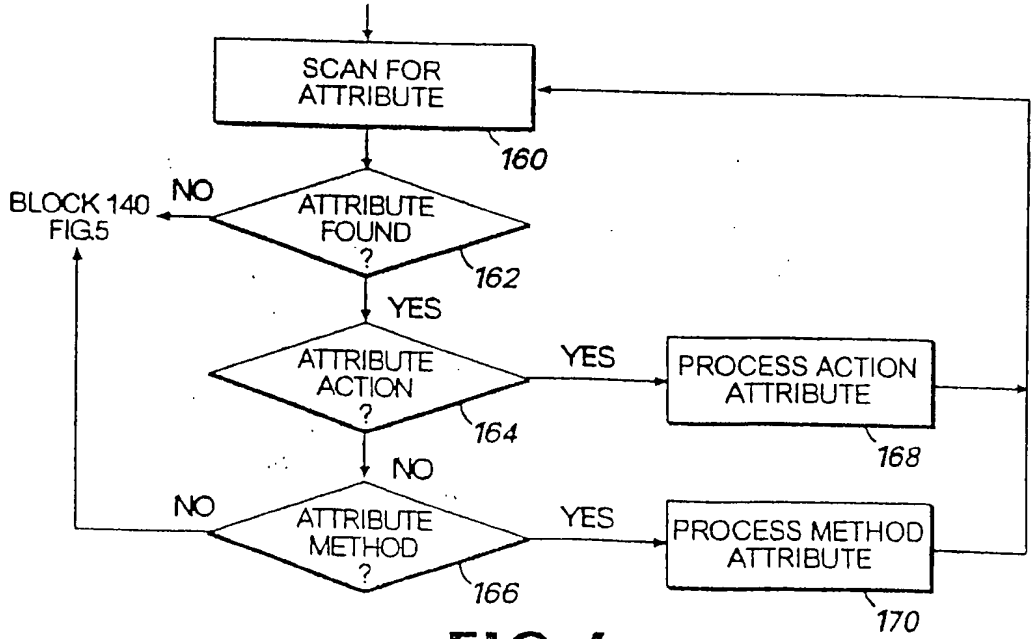
SCAN FOR ATTRIBUTE
160
BLOCK 140 FIG.5
NO
ATTRIBUTE FOUND ?
162
YES
ATTRIBUTE ACTION ?
164
YES
PROCESS ACTION ATTRIBUTE
168
NO
NO
ATTRIBUTE METHOD ?
166
YES
PROCESS METHOD ATTRIBUTE
170

FIG.6

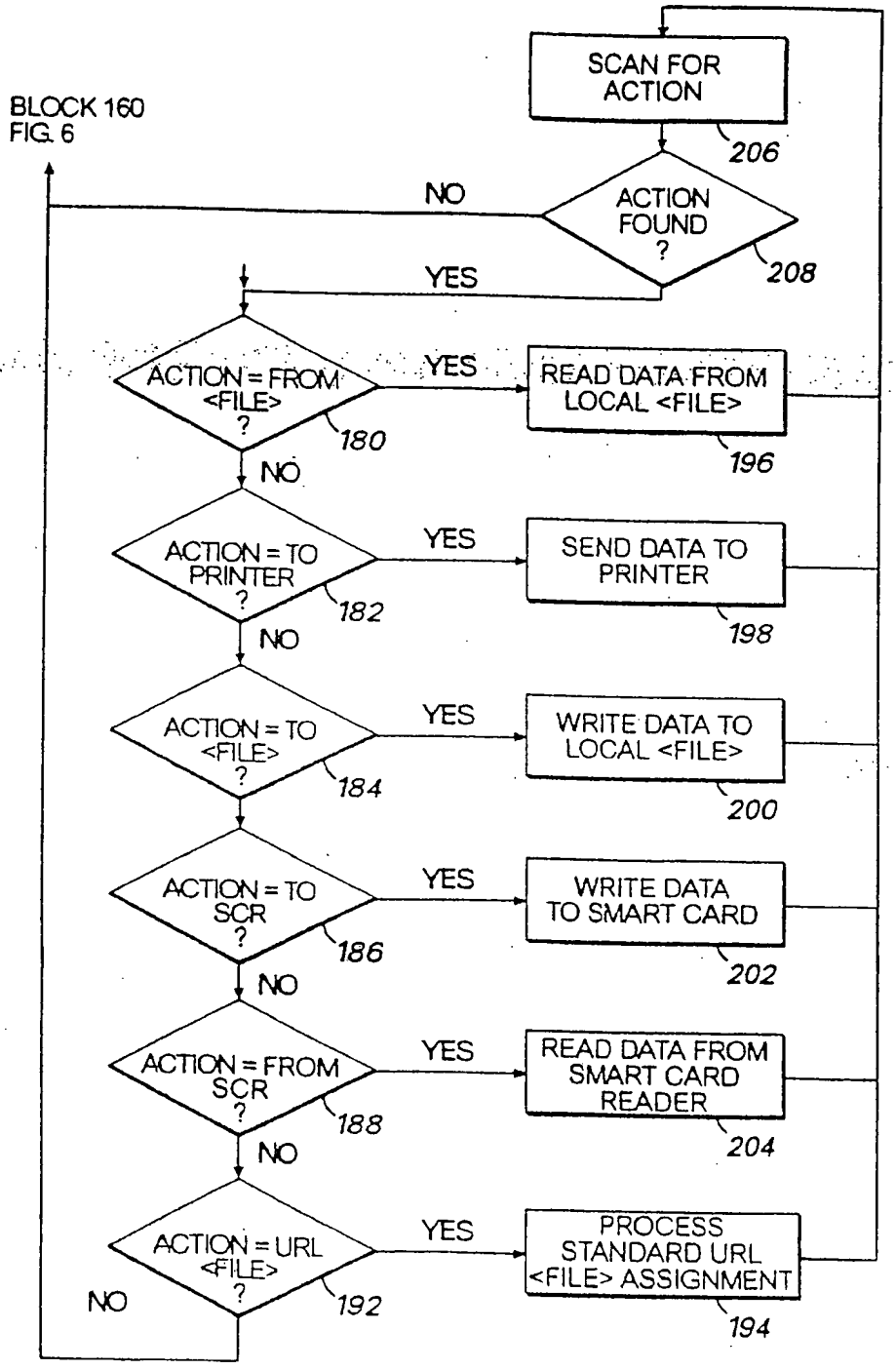
BLOCK 160
FIG. 6
SCAN FOR ACTION
206
ACTION FOUND ?
208
NO
YES
ACTION = FROM <FILE> ?
180
YES
READ DATA FROM LOCAL <FILE>
196
NO
ACTION = TO PRINTER ?
182
YES
SEND DATA TO PRINTER
198
NO
ACTION = TO <FILE> ?
184
YES
WRITE DATA TO LOCAL <FILE>
200
ACTION = TO SCR ?
186
YES
WRITE DATA TO SMART CARD
202
NO
ACTION = FROM SCR ?
188
YES
READ DATA FROM SMART CARD READER
204
NO
ACTION = URL <FILE> ?
192
YES
PROCESS STANDARD URL <FILE> ASSIGNMENT
194
NO

FIG. 7

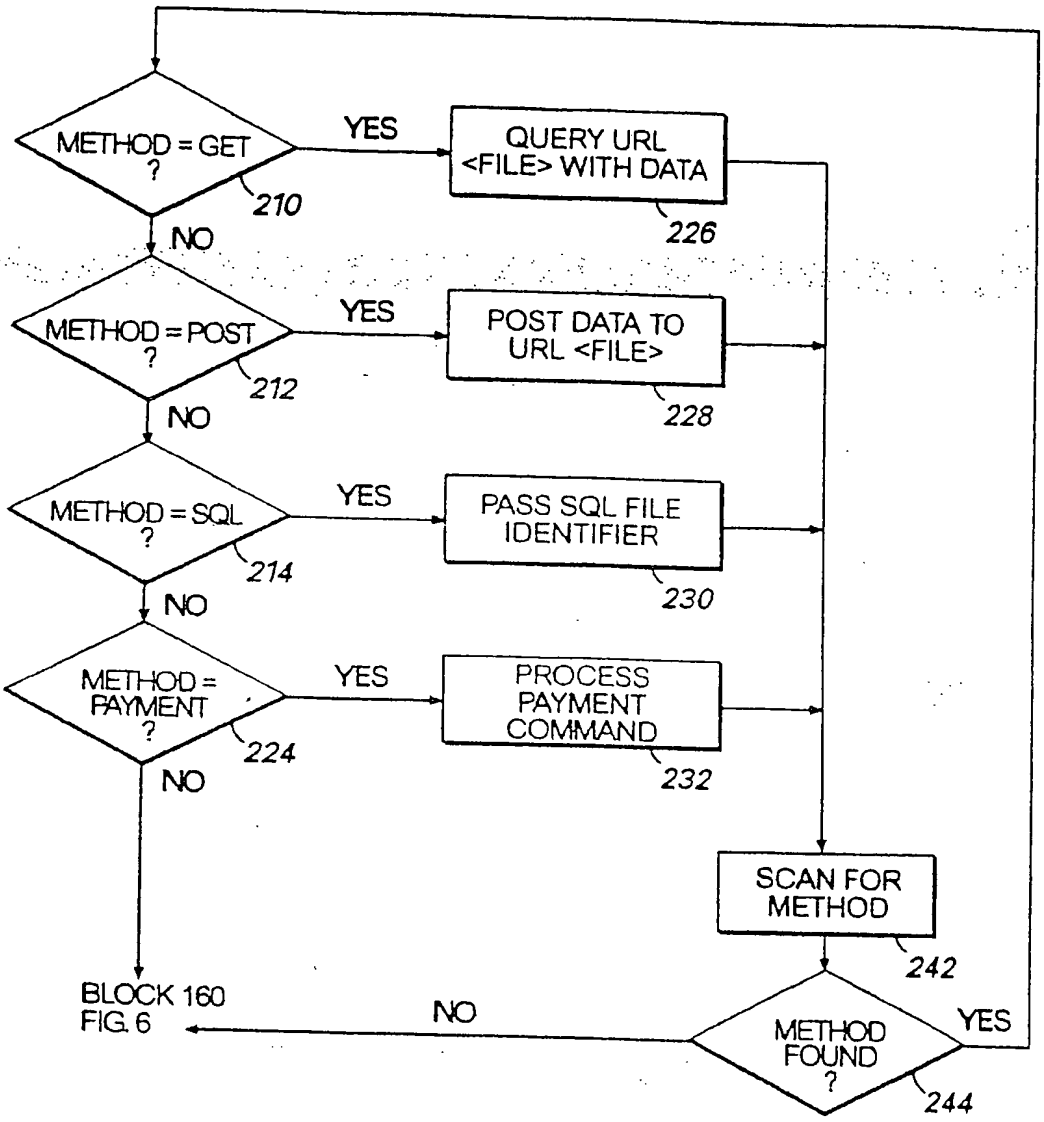
METHOD = GET ?
210
YES
QUERY URL <FILE> WITH DATA
226
NO
METHOD = POST ?
212
YES
POST DATA TO URL <FILE>
228
NO
METHOD = SQL ?
214
YES
PASS SQL FILE IDENTIFIER
230
NO
METHOD = PAYMENT ?
224
YES
PROCESS PAYMENT COMMAND
232
NO
SCAN FOR METHOD
242
METHOD FOUND ?
244
YES
NO
BLOCK 160 FIG. 6

FIG. 8

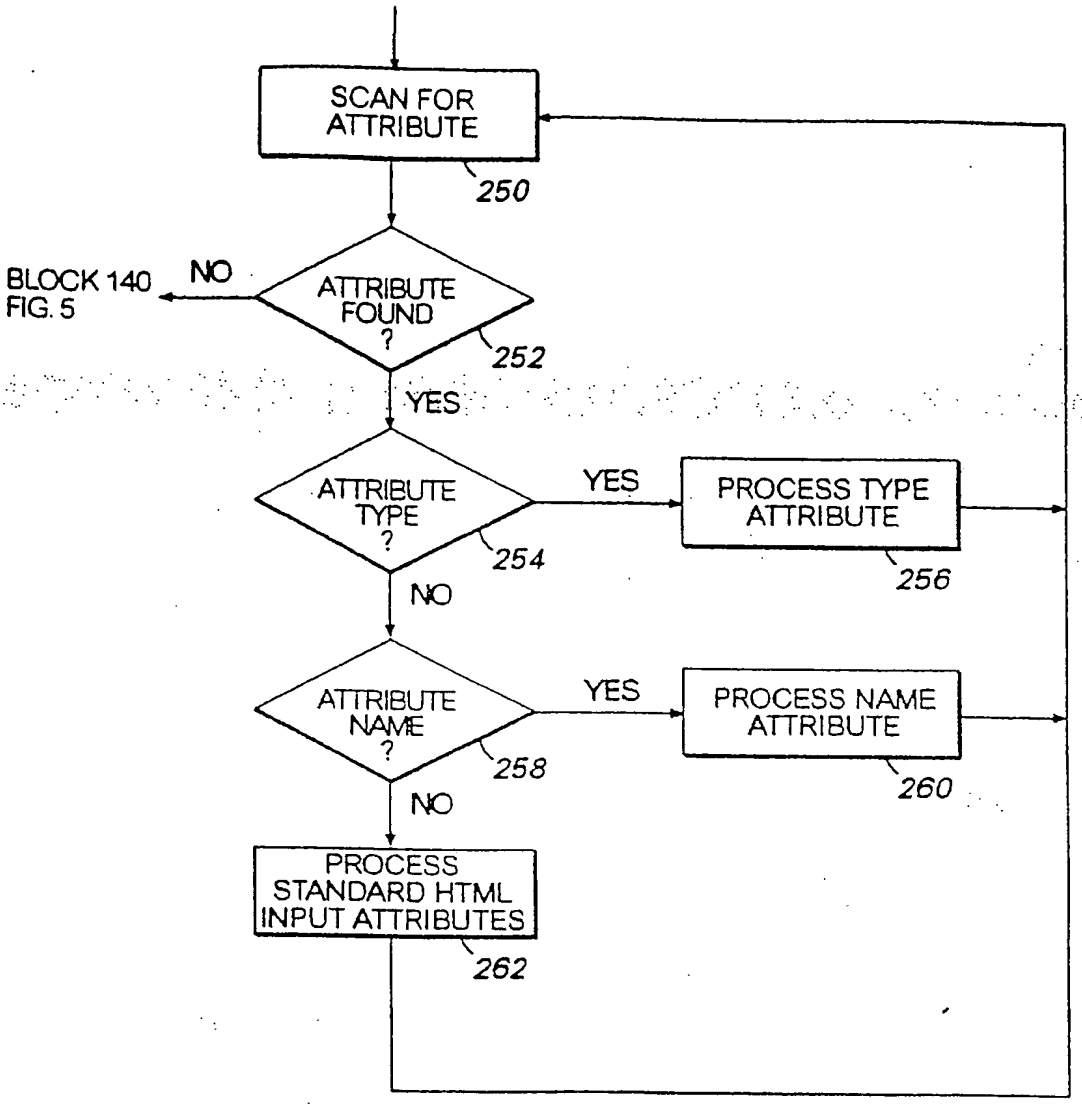
SCAN FOR ATTRIBUTE
250
ATTRIBUTE FOUND ?
252
NO
BLOCK 140 FIG. 5
YES
ATTRIBUTE TYPE ?
254
YES
PROCESS TYPE ATTRIBUTE
256
NO
ATTRIBUTE NAME ?
258
YES
PROCESS NAME ATTRIBUTE
260
NO
PROCESS STANDARD HTML INPUT ATTRIBUTES
262

FIG. 9

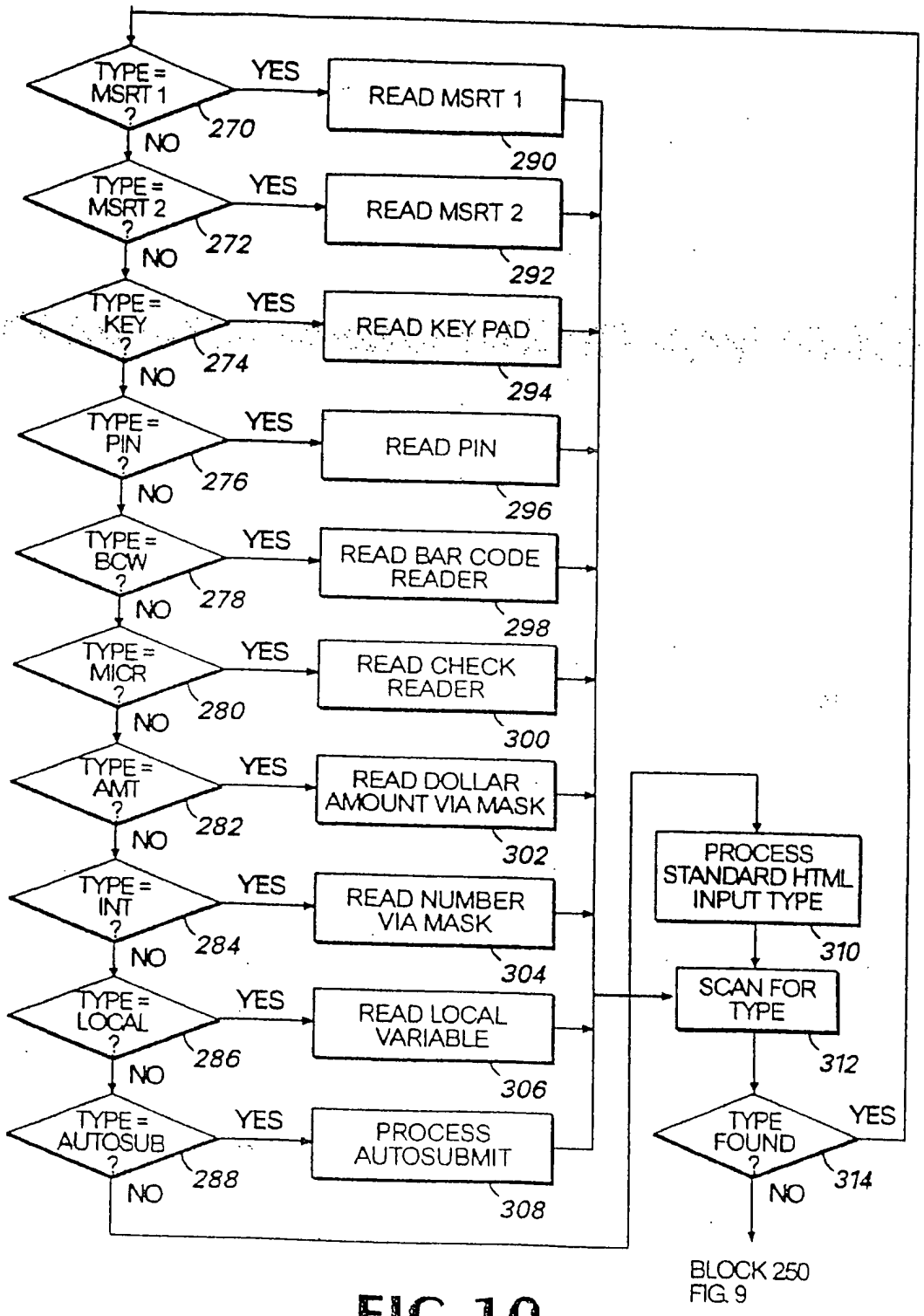
TYPE = MSRT 1 ?
YES
READ MSRT 1
290
270
NO
TYPE = MSRT 2 ?
YES
READ MSRT 2
292
272
NO
TYPE = KEY ?
YES
READ KEY PAD
294
274
NO
TYPE = PIN ?
YES
READ PIN
296
276
NO
TYPE = BCW ?
YES
READ BAR CODE READER
298
278
NO
TYPE = MICR ?
YES
READ CHECK READER
300
280
NO
TYPE = AMT ?
YES
READ DOLLAR AMOUNT VIA MASK
302
282
NO
TYPE = INT ?
YES
READ NUMBER VIA MASK
304
284
NO
TYPE = LOCAL ?
YES
READ LOCAL VARIABLE
306
286
NO
TYPE = AUTOSUB ?
YES
PROCESS AUTOSUBMIT
308
288
NO
PROCESS STANDARD HTML INPUT TYPE
310
SCAN FOR TYPE
312
TYPE FOUND ?
YES
314
NO
BLOCK 250 FIG. 9

FIG. 10

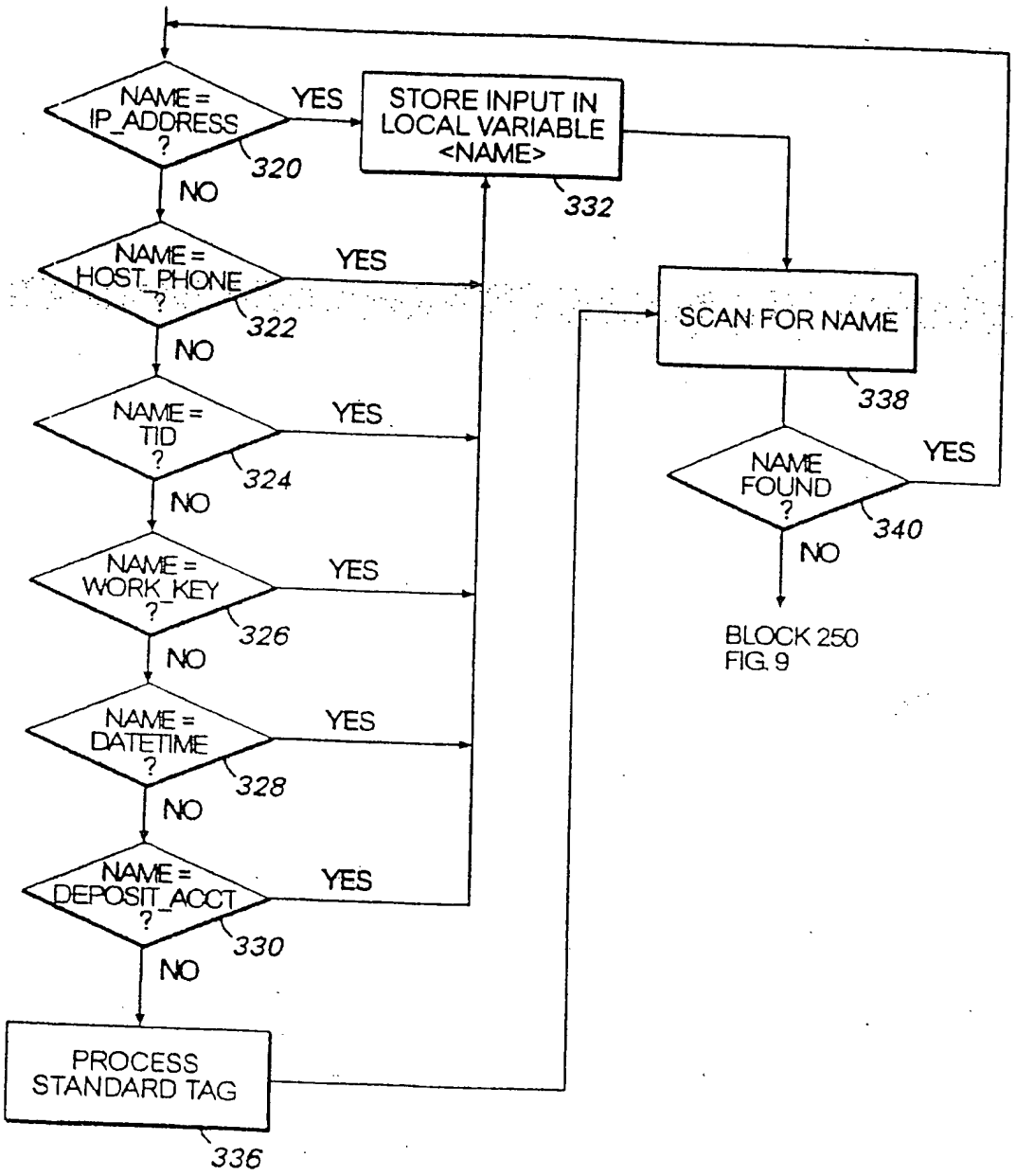
NAME = IP_ADDRESS ?
320
YES
STORE INPUT IN LOCAL VARIABLE <NAME>
332
NO
NAME = HOST_PHONE ?
322
YES
NO
NAME = TID ?
324
YES
NO
NAME = WORK_KEY ?
326
YES
NO
NAME = DATETIME ?
328
YES
NO
NAME = DEPOSIT_ACCT ?
330
YES
NO
PROCESS STANDARD TAG
336
SCAN FOR NAME
338
NAME FOUND ?
340
YES
NO
BLOCK 250 FIG. 9

FIG. 11

1. <FORM ACTION=URL METHOD= GET>
2. <FORM ACTION=URL METHOD= POST>
3. <FORM ACTION=URL METHOD= SQL <database_name>

FIG.12

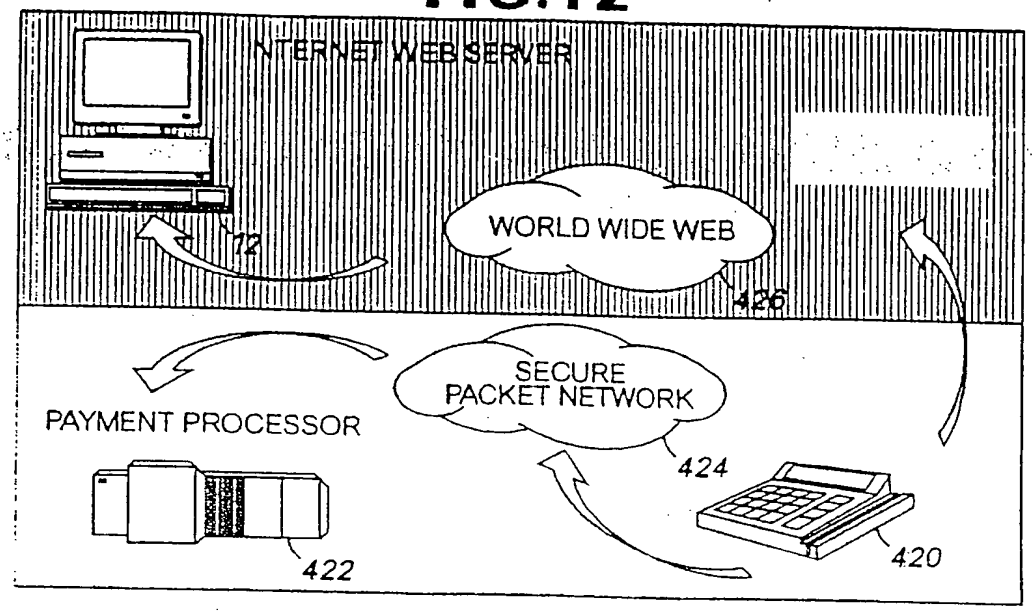

FIG.13A

<FORM ACTION=<filename> METHOD=PAYMENT>
<INPUT TYPE=AUTOSUBMIT>
</FORM>

FIG.13B

<FORM ACTION=dsinet METHOD=PAYMENT>
<INPUT TYPE=LOCAL NAME=DEPOSIT_ACCT VALUE=1234568902345678 90>
<INPUT TYPE=AUTOSUBMIT>
</FORM>

FIG.13C

1.a. Transaction Request HTML+D

```
<HTML>                                                    500
<BODY>
<FORM ACTION=dbase_URL
    METHOD=SQL
        "BEGIN TRAN
        IF NOT EXISTS ( SELECT substring(account, 1, 20) FROM auth_table)
            BEGIN
            INSERT TABLE=log_table VALUES=(getdate(),tid, substring (account, 1,20) ,
            substring( account, 22, 4), amount)
            SELECT * FROM log_table WHERE trandate = getdate()
            END
        ELSE SELECT * FROM error_table WHERE error_no=1
        COMMIT TRAN">
<INPUT TYPE="LOCAL" NAME=tid>
ENTER ACCOUNT NUMBER:
<INPUT TYPE="MSRT2" SIZE=40 NAME=account>
ENTER AMOUNT
<INPUT TYPE="AMT" SIZE=8 NAME=amount>
<INPUT TYPE="AUTOSUBMIT">
</FORM>
</BODY>
</HTML>
```

1.b. Transaction Accepted Response

```
<HTML>                                                    510
<BODY>
<FORM ACTION=TO PRINTER METHOD=POST>
JUNE 1 1995              10:30AM        PURCHASE</P>
TERMINAL ID:                                999999999</P>
ACCOUNT NUMBER      9999999999999999999</P>
EXP DATE:                                   99/99</P>
AMOUNT                                    $9999.99</P>
AUTH NUMBER                              999999999</P>
</p>
- - - -
```

2.a. Transaction Request HTML+D

550

```
<HTML>
<BODY>
<FORM ACTION=dbase_URL
METHOD=SQL"BEGIN TRAN
        IF NOT EXISTS ( SELECT substring(account, 1, 20) FROM auth_table)
        BEGIN
                INSERT TABLE=log_table VALUES=(getdate(),tid, substring( account, 1,20),
                substring( account, 22, 4), amount)
        END
        ELSE  BEGIN
                        SELECT * FROM error_table WHERE error_no=1
                        RETURN
                END
        INSERT TABLE=order_table VALUES=( getdate(), cust_name,address,city, state, zip,
                part_code, unit_price, tax, ship_method, ship_chrg, unit_price + tax +
                ship_chrg, substring( account, 1, 20) ,substring( account, 22, 4))
        SELECT * FROM order_table WHERE trandate = getdate()
        COMMIT TRAN">
CUSTOMER NAME:
<INPUT TYPE="TEXT"SIZE=30 NAME=cust_name></p>
ADDRESS:
<INPUT TYPE="TEXT" SIZE=40 NAME=address></p>
CITY:
<INPUT TYPE="TEXT" SIZE=20 NAME=city><p>
STATE:
<INPUT TYPE="TEXT" SIZE=2 NAME=state>
ZIP:
<INPUT TYPE="TEXT" SIZE=10 NAME=address></p>
SCAN PART CODE:
<INPUT TYPE="BCW" SIZE=9 NAME=part_code></p>
ENTER UNIT PRICE:
<INPUT TYPE="AMT" SIZE=8 NAME=unit_price></p>
TAX:
<INPUT TYPE="AMT" SIZE=5 NAME=tax></p>
SHIPPING METHOD:
<INPUT TYPE="TEXT" SIZE=10 NAME=ship_method></p>
SHIPPING AMOUNT:
<INPUT TYPE="AMT" SIZE=5 NAME=ship_chrg></p>
SLIDE CARD:
<INPUT TYPE="MSRTZ" SIZE=40 NAME=account></p>
<INPUT TYPE="SUBMIT" >
</FORM>
</BODY>
</HTML>
```

FIG.15A

2.b. Transaction Accepted Response

555

```
<HTML>
<BODY>
<FORM ACTION=TO PRINTER METHOD=POST>
ORDER # 9999999999 APPROVED</p>
JUNE 1 1995        10:30AM        PURCHASE</P>
TERMINAL ID:                      99999999</P>
NAME: XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX</p>
ADDRESS:</p>
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX</p>
CITY: XXXXXXXXXXXXXXXXXXXXXX</p>
STATE: XX                ZIP:XXXXXXXXX</p>
ACCOUNT NUMBER:          9999999999999999999</p>
EXP DATE:                                99/99</p>
PART CODE:                             99999999</p>
UNIT PRICE:                             $9999.99</p>
SHIP METHOD:XXXXXX CHARGE               $9999.99</p>
TOTAL AMOUNT:                           $9999.99</p>
AUTH NUMBER:                           99999999</p>
</p>

- - - -
```

3.a. Transaction Request HTML+D

```
<HTML>
<BODY>
<FORM  ACTION=dbase_URL
METHOD SQL
      "INSERT TABLE=order_table VALUES=( getdate(), cust_name,address,city, state, zip,
            part_code, unit_price, tax, ship_method, ship_chrg,unit_price + tax +
            ship_chrg, substring( account, 1, 20) ,substring( account, 22, 4))
      SELECT * FROM order_table WHERE trandate = getdate()">
<INPUT TYPE="LOCAL" NAME=tid>
CUSTOMER NAME:
<INPUT TYPE="TEXT" SIZE=30 NAME=cust_name></p>
ADDRESS:
<INPUT TYPE="TEXT" SIZE=40 NAME=address></p>
CITY:
<INPUT TYPE="TEXT" SIZE=20 NAME=city><p>
STATE:
<INPUT TYPE="TEXT" SIZE=2 NAME=state>
ZIP:
<INPUT TYPE="TEXT" SIZE=10 NAME=address></p>
ENTER PART CODE:
<INPUT TYPE="TEXT" SIZE=10 NAME=part_code></p>
ENTER UNIT PRICE:
<INPUT TYPE="AMT" SIZE=8 NAME=unit_price></p>
TAX:
<INPUT TYPE="AMT" SIZE=5 NAME=tax></p>
SHIPPING METHOD:
<INPUT TYPE="TEXT" SIZE=10 NAME=ship_method></p>
SHIPPING AMOUNT:
<INPUT TYPE="AMT" SIZE=5 NAME=ship_chrg></p>
<INPUT TYPE="SUBMIT" >
</FORM>
</BODY>
</HTML>
```

FIG.16A

3.b. Transaction Accepted Response

```
<HTML>
<BODY>
<FORM ACTION=TO PRINTER METHOD=POST>
ORDER # 9999999999 APPROVED</p>
JUNE 1 1995      10:30AM          PURCHASE</P>
TERMINAL ID:                      999999999</P>
NAME: XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX</p>
ADDRESS:</p>
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX</p>
CITY: XXXXXXXXXXXXXXXXXXXXXXXX</p>
STATE: XX                ZIP:XXXXXXXXX</p>
PART CODE:                              999999999</p>
UNIT PRICE:                               $9999.99</p>
SHIP METHOD:XXXXXXX CHARGE:               $9999.99</p>
TOTAL AMOUNT:                             $9999.99</p>
</FORM>
<FORM ACTION=<file_name> METHOD=PAYMENT>
<INPUT TYPE=AUTOSUBMIT>
</FORM>
</BODY>
</HTML>
```

3.c. Transaction Declined or Submit Error Response

```
<HTML>
<BODY>
DECLINED <error code>
</BODY>
</HTML>
```

FIG.16B

4.a. Transaction Request HTML+D

```
<HTML>
<BODY>
<FORM ACTION=SCR1 METHOD=POST>
<INPUT TYPE="LOCAL" NAME=tid>
SLIDE CARD:
<INPUT TYPE="MSRT2" SIZE=40 NAME=track2>
ENTER AMOUNT:
<INPUT TYPE="AMT" SIZE=8 NAME=amount>
<INPUT TYPE="LOCAL" NAME=work_key>
<INPUT TYPE="AUTOSUBMIT">
</FORM>
</BODY>
</HTML>
```

4.b. Transaction Accepted HTML+D

```
<HTML>
<BODY>
<FORM ACTION=TO PRINTER METHOD=POST>
DATE:99/99/99                                TIME:9999A</P>
ACCOUNT NUMBER    9999999999999999999</p>
EXP DATE:                                        99/99</p>
AMOUNT:                                       $9999.99</p>
AUTH NUMBER                                  999999999</p>
</FORM>
APPROVED:999999999</P>
</BODY>
</HTML>
```

4.c. Transaction Declined or Submit Error Response

```
<HTML>
<BODY>
DECLINED <error code>
</BODY>
</HTML>
```

FIG.17A

5.a. Transaction Request HTML+D

```
<HTML>
<BODY>
<FORM  ACTION=SCR2 METHOD=POST>
<INPUT TYPE="LOCAL" NAME=tid>
ENTER PIN:
<INPUT TYPE="PASSWORD" SIZE=4 NAME=pin>
ENTER  AMOUNT:
<INPUT TYPE="AMT" SIZE=8 NAME=amount>
<INPUT TYPE="LOCAL" NAME=work_key>
<INPUT TYPE="AUTOSUBMIT">
</FORM>
</BODY>
</HTML>
```

5.b. Transaction Accepted HTML+D

```
<HTML>
<BODY>
<FORM  ACTION=TO PRINTER METHOD=POST>
DATE:99/99/99                                TIME:9999A</P>
ACCOUNT NUMBER    9999999999999999999</P>
 EXP DATE:                                        99/99</P>
 AMOUNT                                        $9999.99</P>
AUTH NUMBER                                   999999999</P>
</FORM>
APPROVED:999999999</P>
</BODY>
</HTML>
```

5.c. Transaction Declined or Submit Error Response

```
<HTML>
<BODY>
DECLINED <error code>
</BODY>
</HTML>
```

FIG.17B

6.a. Transaction Request HTML+D

```
<HTML>
<BODY>
<FORM  ACTION=host_URL METHOD=POST>
<INPUT TYPE="LOCAL" NAME=tid>
SLIDE CARD
<INPUT TYPE="MSRT2" SIZE=40 NAME=track2>
<INPUT TYPE="PIN" SIZE=4 NAME=pin>
ENTER  AMOUNT:
<INPUT TYPE="AMT" SIZE=8 NAME=amount>
<INPUT TYPE="AUTOSUBMIT">
</FORM>
</BODY>
</HTML>
```

6.b. Transaction Accepted HTML+D

```
<HTML>
<BODY>
<FORM  ACTION=TO PRINTER METHOD=POST>
DATE:99/99/99                              TIME:9999A</P>
TERMINAL ID:                               99999999</P>
ACCOUNT NUMBER    9999999999999999999</P>
 EXP DATE:                                   99/99</P>
 AMOUNT                                   $9999.99</P>
AUTH NUMBER                               99999999</P>
</FORM>
APPROVED:99999999</P>
</BODY>
</HTML>
```

6.c. Transaction Declined or Submit Error Response

```
<HTML>
<BODY>
DECLINED <error code>
<INPUT TYPE="LOCAL" NAME=work_key VALUE="9999999999999999">
</BODY>
</HTML>
```

FIG.18

7.a. Transaction Request HTML+D

```
<HTML>
<BODY>
<FORM  ACTION=dbase_URL
       METHOD=SQL
                "IF EXISTS ( SELECT account FROM check_table)
                        SELECT * FROM check_table WHERE account = DDAaccount
                 ELSE SELECT * FROM error_table WHERE error_no=1">
<INPUT TYPE="LOCAL" NAME=tid>
SCAN CHECK:
<INPUT TYPE="MICR" SIZE=20 NAME=account>
ENTER  AMOUNT
<INPUT TYPE="AMT" SIZE=8 NAME=amount>
<INPUT TYPE="AUTOSUBMIT">
</FORM>
</BODY>
</HTML>
```

7.b. Transaction Accepted Response

```
<HTML>
<BODY>
<FORM  ACTION=TO PRINTER METHOD=POST>
DATE:99/99/99                                TIME:9999</P>
TERMINAL ID:                                 999999999</P>
ACCOUNT NUMBER    99999999999999999999</P>
AMOUNT                                         $9999.99</P>
AUTH NUMBER                                  999999999</P>
</FORM>
APPROVED:999999999</P>
</BODY>
</HTML>
```

7.c. Transaction Declined or Submit Error Response

```
<HTML>
<BODY>
DECLINED <error code>
</BODY>
</HTML>
```

FIG.19

8.a. Transaction Request HTML+D

```
<HTML>
<BODY>
<FORM ACTION=dbase_URL
      METHOD=SQL
            * BEGIN TRAN
              IF NOT EXISTS ( SELECT substring(account,51,20) FROM auth_table)
                    BEGIN
                    SELECT cur_bal FROM cust_tbl WHERE substring(account,51,20)=account
                    SELECT amount = amount - ( points / .01 )
                    SELECT cur_bal = cur_bal + ( amount * .01 )
                    UPDATE TABLE=cust_tbl VALUES=( getdate(), account, cur_bal - points )
                    SELECT * FROM log_table WHERE trandate = getdate()
                    INSERT TABLE=log_table VALUES=( getdate(), tid, substring(account,51,20),
                    substring( account, 72, 4), amount)
                    END
      ELSE SELECT * FROM error_table WHERE error_no=1"
      COMMIT TRAN">
<INPUT TYPE="LOCAL" NAME=tid>
ENTER ACCOUNT NUMBER:
<INPUT TYPE="MSRT1" SIZE=90 NAME=account>
ENTER AMOUNT
<INPUT TYPE="AMT" SIZE=8 NAME=amount>
REDEEM POINTS?
<INPUT TYPE="INT" SIZE=6 NAME=points>
<INPUT TYPE="AUTOSUBMIT">
</FORM>
</BODY>
</HTML>
```

8.b. Transaction Accepted Response

```
<HTML>
<BODY>
<FORM ACTION=TO PRINTER METHOD=POST>
JUNE 1 1995      10:30AM          PURCHASE</P>
TERMINAL ID:                      99999999</P>
ACCOUNT NUMBER  9999999999999999999</P>
EXP DATE:                            99/99</P>
AMOUNT                            $9999.99</P>
AUTH NUMBER                      999999999</P>
</p>
- - - -
```

9.a. Transaction Request HTML+D

```
<HTML>
<BODY>
<FORM  ACTION=dbase_URL
       METHOD=SQL
                "SELECT fields FROM table WHERE condition">
<INPUT TYPE="LOCAL" NAME=tid>
ENTER SEARCH TABLE NAME:
<INPUT TYPE="TEXT" SIZE=10 NAME=table>
 ENTER SEARCH FIELD NAMES:
<INPUT TYPE="TEXT" SIZE=100 NAME=fields>
ENTER SEARCH CONDITION:
<INPUT TYPE="TEXT" SIZE=50 NAME=condition>
<INPUT TYPE="AUTOSUBMIT">
</FORM>
</BODY>
</HTML>
```

9.b. Transaction Response

```
<HTML>
<BODY>
<FORM  ACTION=TO PRINTER METHOD=POST>
FIELD1   FIELD2   FIELD3   ••••••   FIELDN   </p>
_______  _______  _______           _______  </p>
XXXXX    XXXXX    XXXXX              XXXXX    </p>
XXXXX    XXXXX    XXXXX              XXXXX    </p>
•
•
XXXXX    XXXXX    XXXXX              XXXXX    </p>
</FORM>
</BODY>
</HTML>
```

FIG.21

10.a Transaction Request HTML+D

```
<HTML>
<BODY>
<FORM  ACTION=dbase_URL
        METHOD=SQL
        * INSERT TABLE=log_table VALUES=( getdate(), tid, gross_sales, opn_chks, voids,
        emp_disc, mgr_disc, vip_card, man_over, coupons, sales_tax, c_dep1, c_dep2,
        c_dep3, c_dep4, chg_fund,cc_dep, batch_no, chrg_sales, paid_outs, co_sales,
        cc_sales, te_sales, gross_sales - opn_chks - voids - emp_disc - mgr_disc - vip_card-
        man_over - coupons - sales_tax, gross_sales - opn_chks - voids -
        emp_disc - mgr_disc - vip_card - man_over - coupons - c_dep1 - c_dep2 -
        c_dep3 - c_dep4 - chg_fund - cc_dep - batch_no - chrg_sales - paid_outs)
        SELECT * FROM log_table WHERE trandate = getdate()">
<INPUT TYPE="LOCAL" NAME=tid>
ENTER GROSS SALES:
<INPUT TYPE="AMT" SIZE=8 NAME=gross_sales>
ENTER  OPEN CHECKS:
<INPUT TYPE="INT" SIZE=7 NAME=opn_chks>
ENTER VOIDS:
<INPUT TYPE="INT" SIZE=7 NAME=voids>
ENTER EMP DISCOUNTS:
<INPUT TYPE="INT" SIZE=7 NAME=emp_disc>
ENTER MGR DISCOUNT:
<INPUT TYPE="INT" SIZE=7 NAME=mgr_disc>
ENTER VIP CARD:
<INPUT TYPE="INT" SIZE=7 NAME=vip_card>
ENTER MANUAL OVERRINGS:
<INPUT TYPE="INT" SIZE=7 NAME=man_over>
ENTER COUPONS:
<INPUT TYPE="INT" SIZE=7 NAME=coupons>
ENTER SALES TAX:
<INPUT TYPE="AMT" SIZE=8 NAME=sales_tax>
ENTER CASH DEPOSIT 1:
<INPUT TYPE="AMT" SIZE=8 NAME=c_dep1>
ENTER CASH DEPOSIT 2:
<INPUT TYPE="AMT" SIZE=8 NAME=c_dep2>
ENTER CASH DEPOSIT 3:
<INPUT TYPE="AMT" SIZE=8 NAME=c_dep3>
ENTER CASH DEPOSIT 4:
<INPUT TYPE="AMT" SIZE=8 NAME=c_dep4>
ENTER CHANGE FUND:
<INPUT TYPE="AMT" SIZE=8 NAME=chg_fund>
```

FIG.22A

```
ENTER  CC DEPOSIT:
<INPUT TYPE="AMT" SIZE=8 NAME=cc_dep>
ENTER BATCH #:
<INPUT TYPE="INT" SIZE=3 NAME=batch_no>
ENTER CHARGE SALES:
<INPUT TYPE="AMT" SIZE=8 NAME=chrg_sales>
ENTER PAID OUTS:
<INPUT TYPE="INT" SIZE=8 NAME=paid_outs>
ENTER CARRY OUT SALES:
<INPUT TYPE="AMT" SIZE=8 NAME=co_sales>
ENTER CREDIT CARD SALES:
<INPUT TYPE="AMT" SIZE=8 NAME=cc_sales>
ENTER TAX EXEMPT SALES:
<INPUT TYPE="AMT" SIZE=8 NAME=te_sales>
<INPUT TYPE="AUTOSUBMIT">
</FORM>
</BODY>
</HTML>
```

10.b. Transaction Response

```
<HTML>
<BODY>
<FORM  ACTION=TO PRINTER METHOD=POST>
JUNE 1 1995        10:30AM        DAILY REPORT</P>
TERMINAL ID:                          999999999</P>
GROSS SALES                           999999.99</P>
 VOIDS                        99        99999.99</P>
 EMP DISCOUNTS                99        99999.99</P>
 MANAGER DISCOUNTS            99        99999.99</P>
 VIP CARD                     99        99999.99</P>
 COUPONS                      99        99999.99</P>
 MANUAL OVERRINGS             99        99999.99</P>
 SALES TAX                             999999.99</P>
 CASH DEPOSIT 1                        999999.99</P>
 CASH DEPOSIT 2                        999999.99</P>
 CASH DEPOSIT 3                        999999.99</P>
 CASH DEPOSIT 4                        999999.99</P>
 CASH DEPOSIT 5                        999999.99</P>
 CHANGE FUND                           999999.99</P>
 CC DEPOSIT                   999      999999.99</P>
 CHARGE SALES                          999999.99</P>
 PAID OUTS                     99        99999.99</P>
 CARRY OUT SALES                       999999.99</P>
 CREDIT CARD SALES                     999999.99</P>
 TAX EXEMPT SALES                      999999.99</P>
 ----------------------------------------------</P>

 NET SALES                                9999999</P>
 OVER/SHORT                               9999999</P>
</FORM>
</BODY>
</HTML>
```

FIG.22B

11.a. Transaction Request HTML+D

```
<HTML>
<BODY>
<FORM  ACTION=MAIL TO: mail_to>
 ENTER MAIL ADDRESS:
<INPUT TYPE="TEXT" SIZE=20 NAME=mail_to>
ENTER MESSAGE:
<INPUT TYPE="TEXT" SIZE=100>
<INPUT TYPE="AUTOSUBMIT">
</FORM>
</BODY>
</HTML>
```

FIG.23

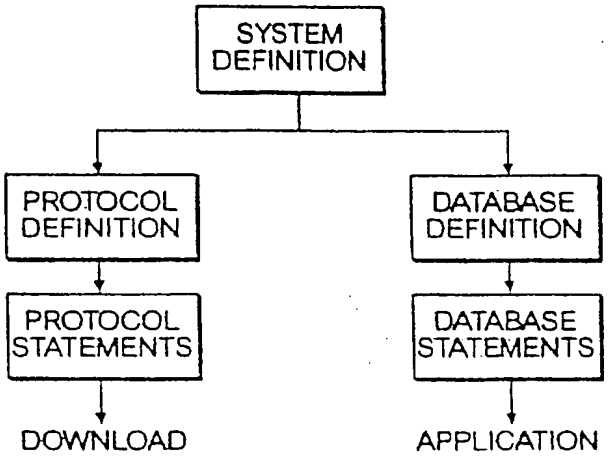

FIG.24A

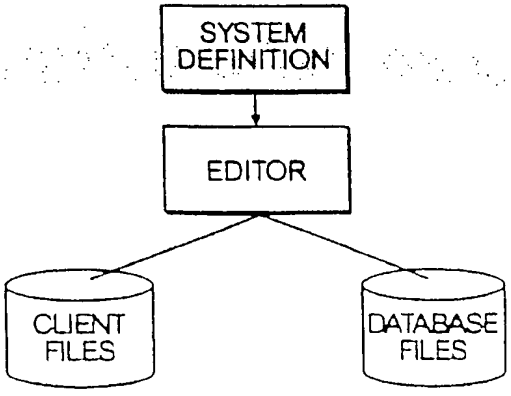

FIG.24B